

**AMENDMENTS TO THE CLAIMS****RECEIVED  
CENTRAL FAX CENTER****NOV 20 2007**

Please cancel claims 6-20, 26-37, and 44-55.

1. (Previously presented) A method comprising:

    saving a plurality of values for a variable after a respective plurality of encounters of a breakpoint by a program that modifies the variable;

    selecting one of the plurality of values based on a condition;

    determining whether to stop execution of the program at the breakpoint based on the one of the plurality of the values;

    if the determining is true, stopping execution of the program at the breakpoint;

and

    if the determining is false, allowing the program to continue to execute.

2. (Previously presented) The method of claim 1, wherein the selecting further comprises:

    finding the one of the plurality of values that is associated with a time that the breakpoint was encountered, wherein the condition specifies the time.

3. (Previously presented) The method of claim 2, wherein the determining further comprises:

    determining whether the condition is true using the one of the plurality of values for the variable at the time specified by the condition.

4. (Previously presented) The method of claim 1, further comprising:

    selecting the variable based on the condition.

5. (Original) The method of claim 2, wherein the saving further comprises:

    pushing the plurality of values onto a stack associated with the breakpoint.

Claims 6-20 (Canceled)

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21. (Previously presented) A method comprising:

- applying an attribute to all of a plurality of breakpoints in a breakpoint group;
- saving a plurality of values for a variable specified by a condition after a respective plurality of encounters of one of the plurality of breakpoints by a program that modifies the variable;
- selecting one of the plurality of values based on the condition;
- determining whether to stop execution of the program at the one of the plurality of breakpoints based on the one of the plurality of the values;
- if the determining is true, stopping execution of the program at the one of the plurality of breakpoints; and
- if the determining is false, allowing the program to continue to execute.

22. (Original) The method of claim 21, wherein the attribute is a breakpoint style.

23. (Original) The method of claim 21, wherein the attribute is thread specificity of the plurality of breakpoints.

24. (Previously presented) The method of claim 21, wherein the attribute is the condition.

25. (Original) The method of claim 21, wherein the attribute impacts whether a program halts upon encountering each of the plurality of breakpoints or continues to execute.

Claims 26-37 (Canceled)

38. (Previously presented) A method comprising:

- saving a plurality of values for a variable specified by a condition after a respective plurality of encounters of a breakpoint by a program that modifies the variable;

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selecting one of the plurality of values based on the condition;  
determining whether to allow the program to continue executing at the breakpoint based on the one of the plurality of the values and based on a thread of the program;  
if the determining is false, stopping execution of the program at the breakpoint;  
and  
if the determining is true, allowing the program to continue to execute.

39. (Original) The method of claim 38, further comprising:

determining the thread, wherein the thread is associated with the breakpoint.

40. (Previously presented) The method of claim 38, wherein the selecting further comprises:

finding the one of the plurality of values that is associated with a time that the breakpoint was encountered, wherein the condition specifies the time.

41. (Previously presented) The method of claim 40, wherein the determining further comprises:

determining whether the condition is true using the one of the plurality of values for the variable at the time specified by the condition.

42. (Original) The method of claim 38, wherein the determining further comprises:

determining whether to allow the program to continue executing based on the thread and a user interface selection.

43. (Original) The method of claim 38, further comprising:

presenting a user interface that allows specification of exclusion and inclusion of the breakpoint on a thread basis.

Claims 44-55 (Canceled)

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